

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
13 May 2004 (13.05.2004)

PCT

(10) International Publication Number
WO 2004/040014 A3

(51) International Patent Classification⁷: C12Q 1/68 (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number: PCT/DK2003/000750

(22) International Filing Date: 3 November 2003 (03.11.2003)

(25) Filing Language: English (84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(26) Publication Language: English

(30) Priority Data: PA 2002 01685 1 November 2002 (01.11.2002) DK

(71) Applicant (*for all designated States except US*): AROS APPLIED BIOTECHNOLOGY APS [DK/DK]; Gustav Wiedsvej 10, DK-8000 Århus C. (DK).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): ØRNTOFT, Torben [DK/DK]; Helgesvej 19, DK-8230 Aabyhøj (DK). THYK-JAER, Thomas [DK/DK]; Tranebærvej 26, DK-8220 Brabrand (DK). JENSEN, Jens, Ledet [DK/DK]; Flintebakken 146B, DK-8240 Risskov (DK). ANDERSEN, Lars, Dyrskjøt [DK/DK]; Lille Elstedvej 157D, DK-8520 Lystrup (DK).

(74) Agent: HØIBERG A/S; St. Kongensgade 59A, DK-1264 Copenhagen K (DK).

Published:
— with international search report

(88) Date of publication of the international search report:
8 July 2004

(48) Date of publication of this corrected version:
12 May 2005

(15) Information about Correction:
see PCT Gazette No. 19/2005 of 12 May 2005, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/040014 A3

(54) Title: GENE EXPRESSION IN BIOLOGICAL CONDITIONS

(57) Abstract: The present invention relates to a method of predicting the prognosis of a biological condition, such as bladder cancer, in animal tissue, wherein the expression of genes is examined and correlated to standards. The invention further relates to the treatment of the biological condition and an assay for predicting the prognosis. In particular, the invention concerns gene expression in epithelial tissue, such as urinary bladder under both normal and abnormal conditions.